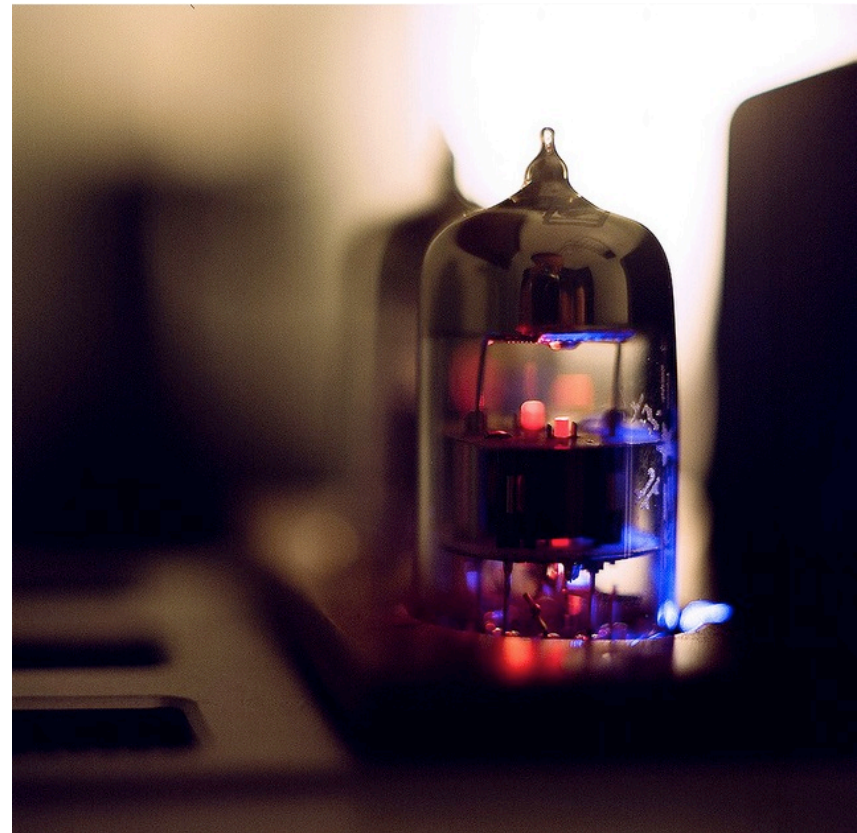# Computer Graphics:
Project Winter Semester 15/16

Charles Wuethrich, Banafsheh Azari,

CoGVis/MMC, Faculty of Media

Bauhaus-University Weimar

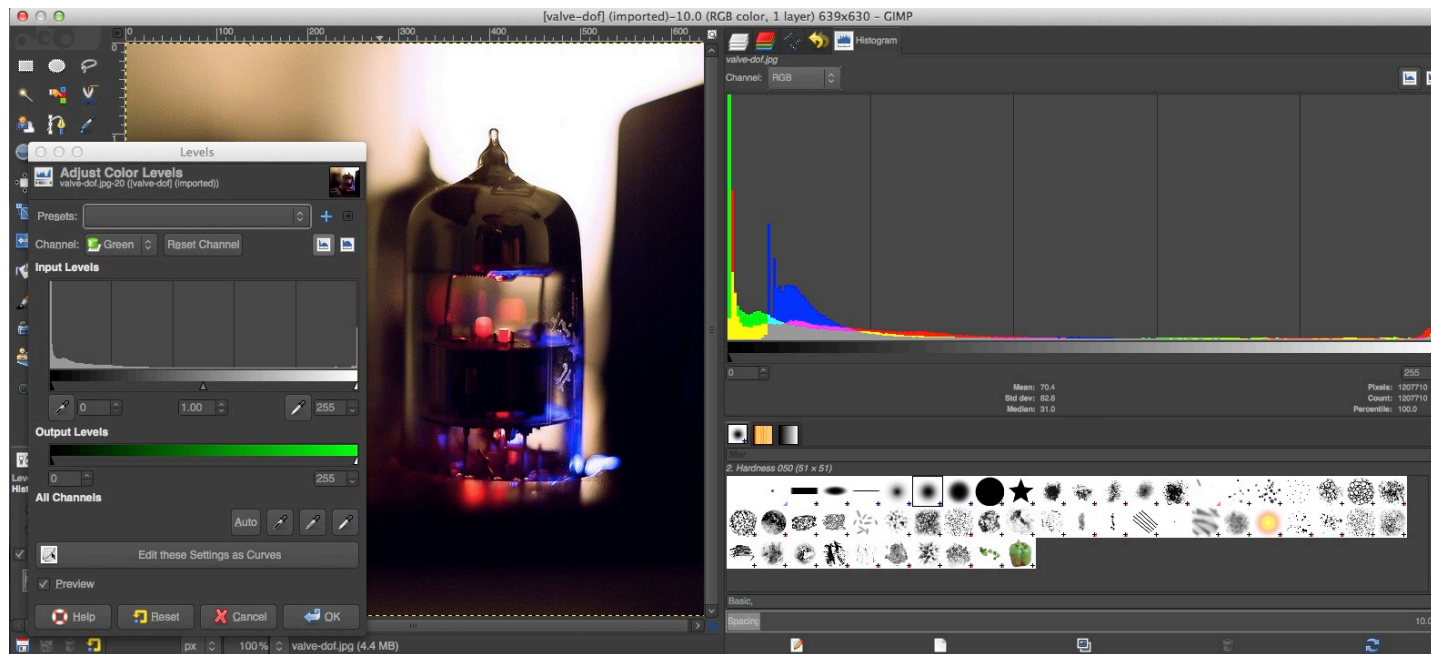# Visualize my Picture

- A picture is worth a thousand words…

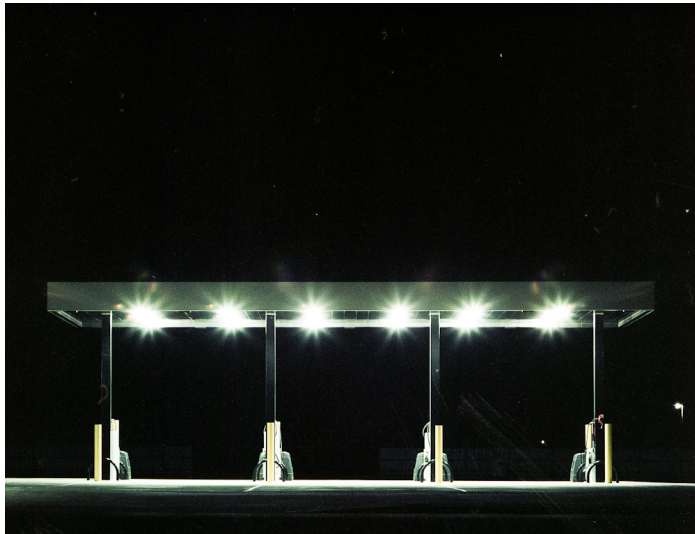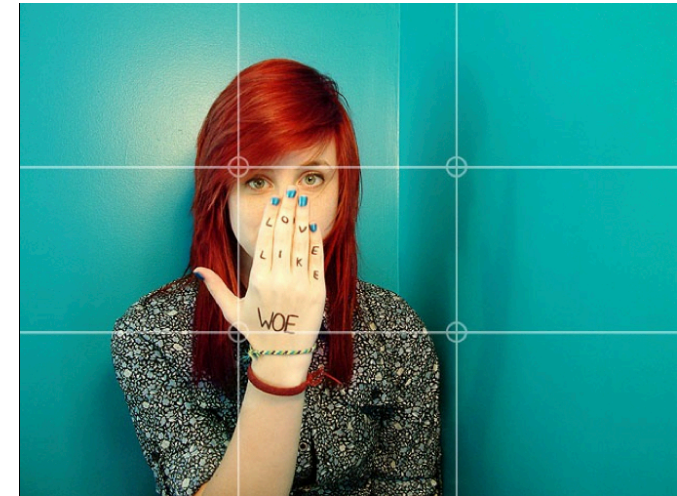- But understanding what makes a picture good is a real challenge!

Visualize my Picture

- Plenty of available software for viewing pictures and processing them:
  - Photoshop
  - GIMP
- Always geared towards retouching/improving pictures

Visualize my Picture

- But pictures are much more than this!
  – Composition rules
  – Subject rules
  – Focus rules
  – Color rules
  – Lighting rules

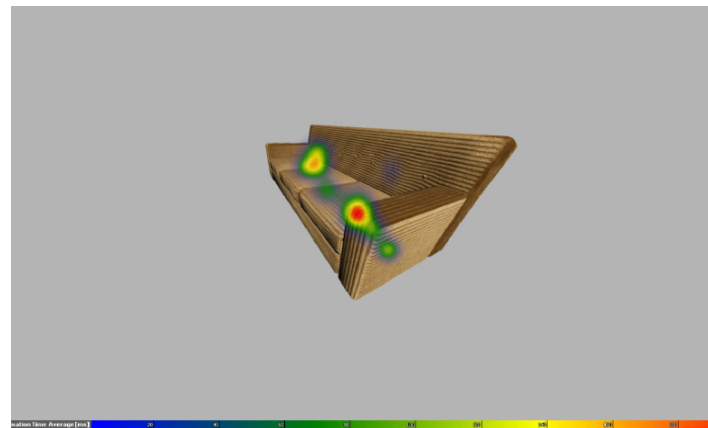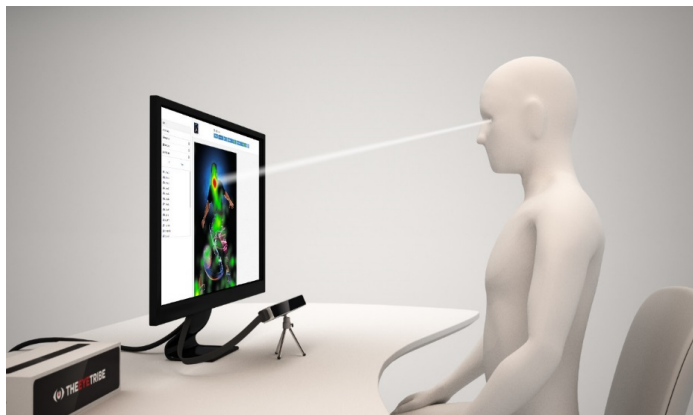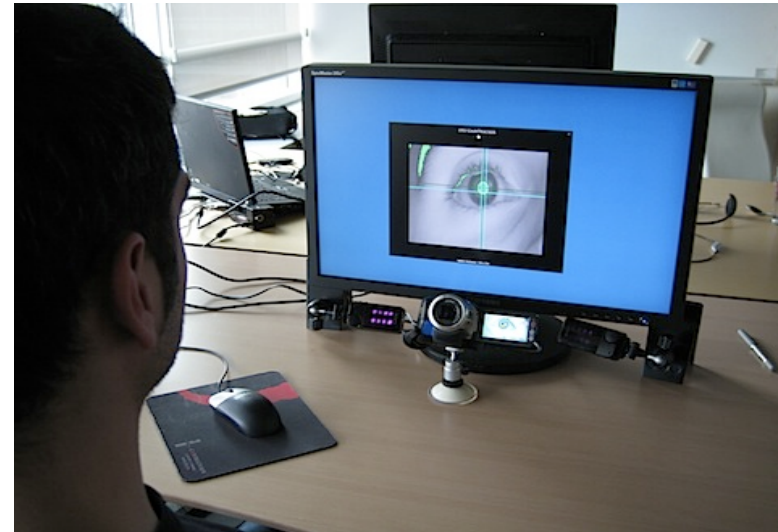Ansel Adams, *Evening, McDonald Lake, Glacier National Park* (1942)

Visualize my Picture

- What we want to have is a software visualizing these higher order attributes:
  - Interface
  - Visualization tools
  - Color space visualization
  - Interactive manipulation

View my Picture

- Development of an Eye Tracker for huge screens

- Experiments with high quality renderings

- Where do people look?

- When do they perceive quality?

- How long does it take?

Visualize my Picture

- Up to 6 people:
  Master + Bachelor

- C++, C#,
  OpenCV,
  OpenCL, 3D graphics.

- Interest for photography

- Creative people!
  Bring in ideas!

Visualize my Picture

- Thank you for
  Your Attention!

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End

+++ Ende – The end - Finis - Fin – Fine +++ Ende – The end - Finis - Fin - Fine +++